

Fire Fighter II

Certification Procedures Guide

Based on NFPA 1001: Standard for Fire Fighter
Professional Qualifications, 2002 Edition



© Copyright 2005, Fire Service Training Bureau
Division of State Fire Marshal, Iowa Department of Public Safety

Foundation of the FSTB Certification System

Equal Access for All

Applications for certification will be accepted from any candidate meeting the criteria listed in this document. Applications will be accepted without regards to race, color, creed, gender, marital status, or status as a military veteran. Applications will be accepted without regard to age as long as the applicant is at least 18 years of age, and disability as long as that disability does not hinder the applicant's ability to perform the necessary skills and practices required by the National Fire Protection Association's Professional Qualifications Standards. If you have questions or comments regarding the certification, training, or other services provided by the Fire Service Training Bureau, please call 888-469-2374.

Legal Authority

Legislative authority for fire service certification was granted to the Fire Service Institute, Iowa State University Extension by the Iowa legislature in 1986. With the passing of HF 2492 and the permission of the governing International Fire Service Accreditation Congress, authority for fire service certification was granted to the Fire Service Training Bureau, Division of the State Fire Marshal effective July 1, 2000.

Accreditation

The Fire Service Training Bureau certification system has been accredited by the International Fire Service Accreditation Congress to certify fire service personnel to accepted national standards. Through this process, Iowa fire service personnel achieve international certification.

Accreditation of the Fire Service Training Bureau certification system assures the Iowa fire service that programs and standards used within this system adhere to the most current recognized national standards. The assurances gained through the accreditation process provide credibility and prestige for every fire fighter participating in the certification process. Fire fighters certified through the Iowa system are recognized throughout the United States (and the world) as qualified and meeting the standards set forth by the National Fire Protection Association.

Certification

After participants within the Fire Service Training Bureau certification system have met the performance requirements and successfully completed an objective evaluation process, the Fire Service Training Bureau awards National Certification. Upon awarding National Certification, the individual's name is entered in the Iowa certification data bank as well as the national certification data bank maintained by the International Fire Service Accreditation Congress and Oklahoma State University.

An official seal from the International Fire Service Accreditation Congress is attached to every certificate and includes an individual national certification number.

Standards

National Fire Protection Association (NFPA) Professional Qualifications Standards are used by the entities accredited by the International Fire Service Accreditation Congress. To maintain accreditation, entities must certify fire service personnel to the latest edition of the "Professional Qualifications Standards."

System Integrity

The requirements, criteria, and process explained above are used to ensure the highest possible credibility and stature for participants in the Fire Service Training Bureau certification system.

These processes help ensure that Iowa trained and certified fire service personnel are among the most highly qualified fire fighters in the world.

Entering the System

Qualified personnel within the Iowa fire service may enter the certification system for the purpose of seeking certification by contacting the Fire Service Training Bureau. Upon receipt of a request, the Fire Service Training Bureau will forward appropriate information to members of the fire service about any of the levels or categories of certification available.

Application & Fees

Every individual seeking certification within the Fire Service Training Bureau certification system must submit an application and the appropriate fee to secure entrance into the system. Applications for each level and category of certification may be obtained from the Fire Service Training Bureau at no cost. An application form is included with this document.

The Fire Service Training Bureau requires an application with payment or billing information prior to testing. All checks should be made out to the Fire Service Training Bureau, and reflect the exact amount owed. Purchase orders from cities/organizations will be accepted in-lieu of prior payment. Individuals seeking certification must pay the appropriate fees prior to testing. The Fire Service Training Bureau will not "bill" individuals for the certification fee. **Approved methods of payment are: Cash, Purchase Order, Check, Money Order, or Credit Card.**

All applications **MUST** be submitted with the appropriate fee or city/organization billing information. Any applications received without the fee/billing information will be returned.

The Fire Service Training Bureau accepts applications at any time. Candidates wishing to test at a specific exam site must file applications and send payment to the Fire Service Training Bureau at least **two weeks** prior to the exam date to be accepted. **NO "WALK-IN" REGISTRATIONS WILL BE ACCEPTED AT ANY TEST SITE!**

Upon receipt of the application and payment information, the individual will be notified of exam sites (current schedule) or be scheduled into a specific test site requested by the candidate. Candidates requesting a specific test site will receive a confirmation after the application has been processed.

Refunds of Application Fees

Application fees may be refunded only within the first two months after being received by the Fire Service Training Bureau. Application fees will only be refunded if the individual has not taken any action towards certification, other than the submission of the application and fee. Application fees will not be refunded if any step(s) of the certification process has been initiated (submitting local documentation form, taking written or practical exams).

Application Time Limits

Candidates testing for Fire Fighter I & II will be given six (6) months to complete the certification process. **The six (6) month time limit begins when the application is received** by the Fire Service Training Bureau and expires six (6) months from that date.

Candidates testing for any other level (Instructor I & II, Driver/Operator Pumper & Aerial, Officer I & II, Investigator, and Inspector) will be given one (1) year to complete the certification process. **The one (1) year time limit begins when the application is received** by the Fire Service Training Bureau and expires one (1) year from that date.

Candidates are encouraged to complete as many documentation requirements as possible prior to applying for certification. Detailed information on these documents are located in this guide.

After the expiration of the time limit allotted for your certification, candidates not completing the certification process will be required to submit a new application and pay a new certification fee. Candidates will also be required to retake the written and practical exams (regardless of the pass/fail status from the previous exams); and re-submit the required documents. **All non-completed certifications will be deleted from the system at the end of the time limit.**

Certification Exam Availability

Every qualified individual seeking certification will be allowed access to the certification exam process (see "*Certification Requirements*" and *Membership & Residency*" below). Certification exams are offered in numerous locations throughout Iowa every year.

Certification exams are conducted on a regional basis at many of the Iowa community college regional fire schools, many local fire departments, and at the Annual Winter and Summer Fire Schools conducted by the Fire Service Training Bureau throughout the year.

A list of exam sites is maintained by the Fire Service Training Bureau and available to any interested party. Candidates are required to pre-register for exams through the Fire Service Training Bureau. The pre-registration process ensures that adequate resources are available and that no test site is overburdened with too many candidates to test within the allotted time. Pre-registration may be accomplished as explained in the "*Application and Fees*" section above.

Restricted test sites are also conducted for fire departments having enough candidates to "fill" a test site. Fire departments wishing to schedule a restricted test site should contact the Fire Service Training Bureau for more information.

Certification Requirements

Facial Hair Policy

Persons with beards or facial hair in the area of the SCBA face piece seal (including full-face beards, muttonchops, goatees, etc.) will not be allowed to participate in the skills exam for any certification level. This policy will be enforced regardless of the skills being tested at any site. No exceptions to this policy will be granted. This is in conjunction with 29 CFR 1910.134 Respiratory Protection Standard.

Exam Results

After candidates have completed the exam process, the Fire Service Training Bureau begins the process of scoring and processing the test results. As soon as grading, processing, and documentation is complete, the results are sent to the candidates via U.S. Mail.

To ensure candidate confidentiality, certification exam results will not be released on the telephone or any other mechanism. The candidate should receive test results within 10-20 working days of the exam. If candidates do not receive their test results within 20 working days, they should notify the Fire Service Training Bureau. Exam scores will still not be released by phone, but the Fire Service Training Bureau will begin a trace of the notification or explain the delay. **Please do NOT contact the Fire Service Training Bureau prior to the 20 working days.**

Certification

Upon successful completion of the certification process, the applicant's name will be entered into the Iowa certification database and the National Certification Database maintained by the International Fire Service Accreditation Congress. Individuals will also receive (at no additional cost), an "Iowa/National Certified" patch, a certification level bar, and an individualized certificate awarding National Certification from the Fire Service Training Bureau. This certificate will also bear a numbered seal from the International Fire Service Accreditation Congress.

When you have completed all of the necessary means for your certification level, please allow 10-20 working days for the completed certificate. If you have not received your certification within that time period, please contact the Fire Service Training Bureau to verify all materials are completed and received. **Please keep a copy of all your documents for your records!!**

Denial and Revocation of Certification

The Fire Service Training Bureau may deny or revoke an individual's certification if that individual: knowingly submits false information to the Fire Service Training Bureau or cheats during the evaluation process.

Appeal Process

If certification is denied or revoked, the individual is entitled to due process, including an appeal and hearing. Any person believing that he/she has not received fair treatment within the certification process is also entitled to the appeal process.

The first step in the appeal process is for the individual to contact the certification coordinator at the Fire Service Training Bureau. This step is intended to be an informal review of the specific details. This step of the appeal process may be initiated in writing or by personal contact (or telephone) and must be initiated within 90 days of the action being appealed. The candidate may request the review be conducted through a meeting with the certification coordinator.

If the appeal is not resolved at the first step, a candidate may appeal to the bureau chief of the Fire Service Training Bureau. This appeal must be submitted in writing within 30 days of the certification coordinator's review. Candidates may request a formal review of the appeal through a meeting with the bureau chief. The decision of the bureau chief will be final.

Introduction to Fire Fighter II Certification

Each individual seeking certification within the Iowa Fire Service Training Bureau Certification System must submit an application and the appropriate fee to secure entrance into the system. Candidates are given one year in which to complete the certification process. An application form is included in this document and may be used and/or duplicated at the local level. Application forms may also be downloaded at: <http://www.state.ia.us/government/dps/fm/fstb/certific.htm>

A list of current fees may be obtained by calling 1-888-469-2374. Purchase orders from cities/organizations will be accepted. The Iowa Fire Service Training Bureau will not "bill" individuals for the certification fee. Checks or credit cards are accepted from individuals.

Applicants may register for an exam site at the time of application by completing the appropriate block on the application form. Candidates will receive a confirmation letter by mail upon receipt of the application. A current list of test sites may also be downloaded from the website.

After July 1, 2000 all Fire Fighter II certification candidates must document SCBA face piece fit testing in compliance with 29 CFR 1910.134. Persons with beards or facial hair in the area of the SCBA face piece seal will not be allowed to participate in the skills exam for Fire Fighter II. Candidates must be visibly clean shaven without stubble.

Certification candidates are given three (3) attempts at each component, written and practical. If the candidate takes either component of the exam three (3) times without passing, the candidate is required to resubmit a certification application form as well as an additional certification fee before being scheduled to retest a fourth time.

Candidates failing the written exam are responsible for notifying the Fire Service Training Bureau of their desire to retest and enroll at the next scheduled exam that has available space. Candidates may not take the written exam more than once per day.

Candidates are responsible for **all of the skills** required by the applicable standard during the practical exam. An exact list of specific skills is at the end of this study guide. A minimum of four (4) skills per standard will be selected to be tested at each exam site. Candidates should be prepared to test on any skill outlined in the standard. The intent of this process is to insure that candidates are prepared to test on all skills required by a standard.

Practical skill exams are graded on a pass/fail basis. Candidates must successfully complete all skill stations at an exam site to receive a passing grade for the practical exam. Each candidate is allowed three (3) attempts at each station.

Candidates failing the practical exam are responsible for notifying the Fire Service Training Bureau of their desire to retest by pre-registering for another regularly scheduled exam. Candidates may not take the practical exam more than once per exam day.

An official picture ID must be shown for admittance to a written or practical exam. Bring personal protective equipment and an SCBA.

Fire Fighter II- NFPA 1001-2002

Prerequisites:

Candidates seeking certification, for **Fire Fighter II**, within the Iowa Fire Service Training Bureau Certification System must meet the following:

1. Be a current member of an Iowa fire, emergency or rescue organization. In addition to the membership requirement, all persons must be at least 18 years of age.
2. Candidate must be competent in all objectives listed in:
 - NFPA Standard 1001 for Fire Fighter II
 - NFPA 472 Hazardous Materials Operations Level (Chapter 6)
3. Certification by NPQB or IFSAC accredited agency as noted:
 - Fire Fighter I Certification- NFPA 1001

Written Examination:

The written certification exam is based on knowledge objectives listed in *NFPA 1001 Standard for Firefighter Professional Qualifications* and *NFPA 472 Standard for Professional Competence of Responders to Hazardous Materials Incidents Operations level*. Candidates are required to score a minimum of 70%.

Practical Examination:

The Fire Fighter II practical certification exam is based on skill objectives listed in *NFPA1001 Standard for Firefighter Professional Qualifications* and *NFPA Standard for Professional Competence of Responders to Hazardous Materials Incidents Operations Level*. Skills checklists are available online or through the Fire Service Training Bureau.

References/Textbooks:

IFSTA, *Essentials of Firefighting*, 4th Edition
IFSTA, *Hazardous Materials for First Responders*, 2nd Edition
Hazardous Materials Managing the Incident, FPP, 1995
North American Emergency Response Guidebook, Current Edition

**Fire Service Training Bureau
National Certification Application Form**

Return Application to: Fire Service Training Bureau
3100 Fire Service Rd.
Ames, Ia 50011
Fax: 800-722-7350



PLEASE TYPE OR PRINT

Personal Information

First Name	MI	Last Name	SSN	Date of Birth
Home Address	City	State	Zip	
Day Phone	Email			
Fire Department/Organization	Fire Department Address			

Please check the level of certification for which you are applying:

- ☐ Haz-Mat Aware ☐ Haz-Mat Ops *
- ☐ Fire Fighter 1 ☐ Fire Fighter 2 *
- ☐ D/O Pumper * ☐ D/O Aerial*
- ☐ Instructor 1 ☐ Instructor 2 *
- ☐ Officer 1 * ☐ Officer 2 *
- ☐ Inspector 1 * ☐ Investigator *

* Certification at this level requires a pre-requisite certification.

Test Site Registration

If you know the location and date of the test site you wish to attend, please list that information below. A certification exam schedule can be obtained by contacting up toll free at: (800)469-2374, or visit our website (<http://www.state.ia.us/government/dps/fm/fstb>), under services. Please make sure you have reviewed the certification guidelines and procedures prior to finishing this application.

I wish to register for the following test site: Location: Test Date: _____

Payment Method

Each application must be accompanied by a \$50.00 payment for the certification fees. Approved methods of payment are listed below. Please indicate the method you will use. If you choose to bill your department, your chief also needs to sign the application before submission.

- ☐ Payment Enclosed (Check or Money Order) ☐ Bill my department or organization ☐ Visa/Mastercard/Discover
- P.O.#: Check #: Account Number: Expiration Date: _____

Name as it appears on card: _____

I verify that I have reviewed the certification guidelines as stated in the Fire Service Training Bureau Certification Criteria and Procedures guide and agree to conform to those guidelines. I further verify that all information submitted on this form is accurate.

I verify the person listed on this form has been fit tested as per OSHA Part 1910.134. This form must be signed by the person conducting the fit testing or the Fire Chief.

For Office use only:

Entered: Invoice #:

Date: AP#:

☐ Special Accommodations:

If you will need any special accommodations, please check the box preceding this statement and you will be contacted by a member of our staff.

Applicant's Signature

Chief's Signature

Local Documentation Form

Candidate's Name: _____ **SSN:** _____

Candidate's Fire Department: _____

Application Submitted: ☐ **With this document** ☐ **Previously** **Date:** _____

The skills listed on this page must be verified by a chief officer from the candidate's fire department. By "signing off" the skill, the chief officer will be verifying that the fire fighter has participated in actual performance of these skills. These skills can be accomplished through training.

The performance of these skills is not required to occur after the application is submitted, therefore the fire fighter may have all of these requirements completed prior to submitting the application. It is strongly suggested that these skills be documented prior to application for certification.

Please check each skill (listed below) that has been performed by the candidate.

Fire Extinguisher Skills

- ☐ An exterior combustible liquids fire of at least 100 sq ft. using a foam fire stream
- ☐ A fire in an elevated location within a structure (e.g., upper floor or attic)
- ☐ A fire in a below-grade area or other location requiring initial attack from above.
- ☐ A hidden fire within a structure (e.g., within walls, crawl spaces)
- ☐ A fire involving energized electrical components (may be simulated)
- ☐ A fire involving a flammable gas cylinder (exterior) (may be simulated)

Rescue (Vehicle Extrication Skills)

- ☐ Demonstrate displacing or removing a vehicle roof
- ☐ Demonstrate displacing or removing a vehicle door
- ☐ Demonstrate displacing or removing a vehicle windshield
- ☐ Demonstrate displacing or removing a vehicle steering wheel
- ☐ Demonstrate displacing or removing a vehicle steering column and dashboard

Chief Officer's Signature

Candidate's Signature

FIRE EXTINGUISHMENT SKILLS

Simulated exterior combustible liquid fire:

- a. Ensures that all equipment, hoselines, are connected and charged
- b. Place foam attack line in position upwind from fire and checks the flow of the line.
- c. Place backup hoseline in position near foam attack line and checks flow of line.
- d. Foam is gently applied using maximum reach of stream.
- e. Directs foam stream into ground in front of fire with sweeping motion works foam blanket into fire.
- f. Maintains foam blanket and extinguishes fire.

Elevated location within a structure:

- a. Team assembles on ground floor prior to entering, carrying standpipe pack.
- b. Advances as a team to floor directly below fire floor.
- c. Connects hoses to standpipe, charges it and advances to doorway of fire floor.
- d. Opens door and advances hoselines to fire.
- e. Extinguishes fire.

Extinguishes a fire below grade, or other location from above:

- a. Position hoseline and test.
- b. Descend stairs when ventilation has begun.
- c. Descend stairs quickly using wide angle fog pattern.
- d. When bottom of stairs is reached, search for fire.
- e. Extinguish fire.

Simulated fire hidden within a structure:

- a. Ascertain that charged line is operating and in place.
- b. Advances to fire.
- c. Simulate pulling ceiling to check for fire extension.
- d. Simulate opening walls to check for fire extension.
- e. Simulate extinguishing fire that is found.

Simulated fire involving live or energized electrical equipment:

- a. Conducts size-up to determine existence of electrical hazard.
- b. Calls for electrical utility to disconnect power if there is no indication that power is turned off.
- c. Delays and attack and protects exposures until Power is disconnected by utility personnel.
- d. After confirmation that power is disconnected, attack Fire wearing full protective equipment and a backup hoseline.
- e. Attacks from upwind side and extinguishes fire.

Simulated fire involving a flammable gas cylinder:

- a. Stays clear of tank ends.
- b. Ensures that there are 2 attack lines.
- c. Assures continuous supply of water.
- d. Applies water to tank from a distance with straight Stream or solid stream.
- e. Does not extinguish flame on relief valve.
- f. Secures leak and lets flame burn out.

RESCUE SKILLS

Uses pneumatic or air chisel tool to remove or flap roof

- a. Cuts "A" and "B" post (s).
- b. Makes relief cut in roof or cuts "C" post
- c. Flaps roof and secures or removes

Uses hydraulic tool to perform a door removal

- a. Breaks glass inside door.
- b. Creates access panel for hydraulic spreader.
- c. Uses spreader above latch or hinge to gain access to inner door skin.
- d. Rolls door off nadir pin or twists and breaks hinges.
- e. Removes door from action area or places under the car.

Performs removal of windshield

- a. Cuts through windshield glass along the outer edge Of both sides and top.
- b. Makes indent cuts along bottom of windshield.
- c. Pulls windshield from frame.
- d. Places windshield under car or removes from action area.

Uses blocking and ratchet device or com-along to pull steering wheel.

- a. Wraps one chain around the steering wheel.
- b. Secures other chain around the steering wheel.
- c. Places come-along on slide crib and connects chain.
- d. Pulls steering wheel and dashboard out of place.

Iowa law requires fire departments to report incidents to the State Fire Marshal's Office. In addition to meeting this requirement, explain the benefits of fire departments reporting incidents to the State Fire Marshal's Office via the National Fire Incident Reporting System (NFIRS).

Included in this assignment is a scenario and a basic fire incident report. Read the scenario and complete the incident report based on the information contained in the scenario. This report is the same form required for use in Iowa. For this assignment, please include the completed form with the homework assignment. **DO NOT SEND THIS HOMEWORK ASSIGNMENT TO THE STATE FIRE MARSHAL'S OFFICE.**

Information on how to complete these forms is contained in the National Fire Incident Reporting System (NFIRS) Handbook. Each fire department should have a reference copy of this document. If your department does not have a copy of this document, contact the State Fire Marshal's Office or the Fire Service Training Bureau for assistance in obtaining a copy of this document.

SPECIAL NOTE: The complete NFIRS system as used in Iowa includes separate forms for reporting firefighter injuries ("Iowa Fire Service Casualty Report"), civilian injuries ("Civilian Casualty Report") and hazardous materials incidents ("Iowa Hazardous Materials Incident Report"). Each of these forms is required as a supplementary report to be attached to the Iowa Incident Report (NFIRS 1 report) when injuries occur or when a hazardous material is involved in an incident.

The Iowa State Fire Marshal's Office provides training and information to assist in completing these forms. If your department does not currently report incidents to the Fire Marshal's Office you are in violation of Iowa law. Please contact the Fire Marshal's Office for information on how to comply with this reporting requirement.

Fire Fighter II objectives only require completion of a basic incident reporting form. This should not be interpreted as the only requirement of Iowa law. The Fire Fighter II requirement is intended to ensure that fire fighters can complete a "basic" form. The Fire Service Training Bureau has included the state form in an effort to help reinforce NFIRS use in Iowa. If you have any questions about reporting requirements, please contact the State Fire Marshal's Office or the Fire Service Training Bureau for information.

SCENARIO FOR USE IN COMPLETING INCIDENT REPORT FORM

At 2:10 a.m. on Tuesday, May 26, 2000, a fire occurred in the clothing store at the Plaza Shopping Center. The fire was reported by Box Alarm 2421. The Anytown, USA Fire Department arrived at the scene at 2:13 a.m. George Ericson, Deputy Chief, was in charge of Shift 4 and the two alarms which included 42 personnel, six engines, three aerial ladders, and three other vehicles. Engine Company 11 was first due.

The census tract of the incident site is 2410.01. The store is occupied by Lewis Brothers whose telephone number is area code (111) 555-0161. The owner of the shopping center is Plaza Associates located at 681 Lincoln Street, Anytown, 16806; its telephone number is area code (111) 555-2800. The Anytown fire department identification number is 21487 and the incident number was number 4267.

The fire originated in a storage area when a hot light bulb ignited some women's cotton dresses that were improperly stored. The fire was on the ground level and there were open flames. The clothing store is constructed of wood and brick and was built on site. Flame damage extended beyond the clothing store building as did smoke, water, and fire control damage. Detectors were present in the area of origin and operated, but there were no sprinklers. Most flames came from cotton goods and spread along the ceiling and walls. Most of the smoke was generated by synthetic fabrics and traveled through the air duct system. The structure is 2 stories.

The fire personnel used pre-connect hand lines and master streams. The water is supplied by the town water system. The damage is estimated at \$75,000 to \$80,000. The fire personnel were ready for service at 5:20 a.m. Robert Glass, the Deputy Chief's Aide, completed the report.

Homework

DIRECTIONS: You need to conduct a survey on a commercial building in your community. This survey will have two primary purposes. First, you will need to prepare a prefire plan on the structure (forms included). The second purpose is for a fire safety survey. When conducting the survey, you will need to keep both objectives (purposes) in mind. After completing the prefire plan, you will need to prepare a written report summarizing the results of the fire safety portion of the survey. A form has been included with this homework package to use for the written report.

Complete the Quick Access Preplan Form for a commercial building in your fire department's jurisdiction. Complete both sides of the form. On the back of the form, include a sketch/drawing of the building including identification of utilities shut off locations and hazards that fire fighters should be aware of should a fire occur in the building.

Any recognized fire flow formula may be used to calculate fire flow needs. Identify which formula was used to calculate fire flow in the space provided on the form.

Preplan forms used by your fire department may be substituted for the Quick Access Preplan Form, provided the substitute form contains the same information as the Quick Access Preplan Form. If local forms do not include all the information on the front of the Quick Access Preplan Form, you must complete the front of the Quick Access Preplan Form in addition to your local forms.

Quick Access Preplan Form

Building Address: _____

Building Description: _____

Units Responding on Initial Response: _____ Available Flow: _____

Needs: Based on 100% Involvement	
Needed Fire Flow	_____
Required Personnel for delivery of GPM	_____
Required Personnel for Search, Pump Ops, Rescue, Logistics, Relief	_____
Units Needed: Engines	_____
Aerials	_____
Tankers	_____
Chief Officers	_____
Other	_____

Personnel/GPM Delivery Needs			
25%	50%	75%	100%

Personnel GPM

Standpipes: YES () NO ()
Sprinklers: YES () NO ()
Other fire suppression systems:

Fire Behavior Prediction: _____

Strategy: _____

Problems Anticipated: _____

Hazards to Personnel: _____

Quick Access Preplan Form- Building Sketch

Draw a sample and label any symbol you use on the preplan in this area



**Fire Safety Survey
Written Report Form**

Date: _____

Building Address: _____ Business Name: _____

Business Owner: _____ Business Phone: _____

Building Owner (If different than occupant) _____ Phone: _____

Fire fighter conducting inspection: _____

Comments:

Recommendations:

Housekeeping (Place additional comments on back)

_____	_____
_____	_____
_____	_____

Exits and Means of Egress

_____	_____
_____	_____
_____	_____

Fire Protection Systems, Extinguishers, and detection/alarm systems

_____	_____
_____	_____
_____	_____

Structural related items (fire walls, enclosures, general building conditions, ect.)

_____	_____
_____	_____
_____	_____

(form continued on back)

Electrical & other utilities

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

Other items of importance

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

Additional Comments (continued from front)

Comments:

Recommendations:

Category:

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

Category:

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

Category:

<hr/>	<hr/>
<hr/>	<hr/>
<hr/>	<hr/>

<hr/>	<hr/>
Reinspection date (if applicable)	Fire Fighter's Signature

SAMPLE FOR FFII HOMEWORK ASSIGNMENT

Telephone Number Where
You Can Be Contacted

Area Code

IOWA INCIDENT REPORT

NFIRS 1

1 ☐ DELETE
2 ☐ CHANGE

FILL IN THIS REPORT
IN YOUR OWN WORDS

FIRE DEPARTMENT

10	A	FOID	INCIDENT NO.	EXP. NO.	MO.	DAY	YEAR	DAY OF WEEK	ALARM TIME	ARRIVAL TIME	TIME IN SERVICE	
	B	TYPE OF SITUATION FOUND							TYPE OF ACTION TAKEN		MUTUAL AID 1 <input type="checkbox"/> REC'D 2 <input type="checkbox"/> GIVEN	
	C	FIXED PROPERTY USE							IGNITION FACTOR			
	D	CORRECT ADDRESS							ZIP CODE		CENSUS TRACT	
	E	DEPART NAME (LAST, FIRST, MI)							TELEPHONE		ROOM OR APT.	
	F	OWNER NAME (LAST, FIRST, MI)							ADDRESS		TELEPHONE	
	G	METHOD OF ALARM FROM PUBLIC							DISTRICT	SHIFT	NO. ALARMS	
	H	NUMBER FIRE SERVICE PERSONNEL RESPONDED			NUMBER ENGINES RESPONDED			NUMBER AERIAL APPARATUS RESPONDED		NUMBER OTHER VEHICLES RESPONDED		
	I	NUMBER OF INJURIES FIRE SERVICE			OTHER			NUMBER OF FATALITIES FIRE SERVICE			OTHER	
	J	COMPLEX							MOBILE PROPERTY TYPE			
	K	AREA OF FIRE ORIGIN							EQUIPMENT INVOLVED IN IGNITION			
	L	FORM OF HEAT OF IGNITION			TYPE OF MATERIAL IGNITED				FORM OF MATERIAL IGNITED			
	M	METHOD OF EXTINGUISHMENT			LEVEL OF FIRE ORIGIN				ESTIMATED LOSS (DOLLARS ONLY)			
	N	NUMBER OF STORIES							CONSTRUCTION TYPE			
	O	EXTENT OF FLAME DAMAGE							EXTENT OF SMOKE DAMAGE			
	P	DETECTOR PERFORMANCE							SPRINKLER PERFORMANCE			
	Q	IF SMOKE SPREAD BEYOND ROOM OF ORIGIN		TYPE OF MATERIAL GENERATING MOST SMOKE					AVENUE OF SMOKE TRAVEL			
	R			FORM OF MATERIAL GENERATING MOST SMOKE								
	S	IF MOBILE PROPERTY		YEAR	MAKE	MODEL		SERIAL NO.		LICENSE NO.		
	T	IF EQUIPMENT INVOLVED IN IGNITION		YEAR	MAKE	MODEL		SERIAL NO.				

☐ CHECK IF COMMENTS ON REVERSE SIDE

OFFICER IN CHARGE (NAME, POSITION, ASSIGNMENT)

DATE

MEMBER MAKING REPORT (IF DIFFERENT FROM ABOVE)

DATE

6	W	FIRE DANGER	SLOPE	ASPECT	RESISTANCE TO CONTROL	SPREAD RATE	
	X	SIZE CLASS ACRES	TOTAL ACRES BURNED		ACRES GRASSLAND		ACRES FORESTLAND
	Y	FEDERAL ACRES BURNED		STATE ACRES BURNED		PRIVATE ACRES BURNED	
	Z	SUPPRESSION COST		DAMAGE CLASS VALUE		VALUE CLASS	

COMPLETE ON
GRASS AND
WILDLAND FIRES

THIS FORM IS A SAMPLE OF THE INFORMATION THAT SHOULD BE REPORTED. IT IS NOT A SUBSTITUTE FOR THE IOWA INCIDENT REPORT. THE IOWA INCIDENT REPORT IS A STANDARD FORM AND SHOULD BE USED FOR ALL FIRES. ANY INFORMATION NOT REPORTED ON THIS FORM WILL BE CONSIDERED AS A LOSS OF DATA.

Written Exam Study Guidesheets Hazmat Operations

Standard: NFPA 472, *Standard for Fire Fighter Professional Qualifications*, 2002 Edition

References: The Reading/Study References listed below represent references from which certification exam questions are taken.

Hazardous Materials for First Responders, IFSTA, 2nd Edition, 2nd printing
North American Emergency Response Guidebook, Current Edition
Hazardous Materials Managing the Incident, FPP, 1995
Essentials of Fire Fighting IFSTA, 4th Edition, 1998, 1st Printing

NFPA Standard Requirement Number	Reading/Study Reference
5-1	General
5-2	Analyzing the Incident
5-2.1	<u><i>Hazardous Materials for First Responders</i></u> , pp. 54-91, 99-101, 178-197 <u><i>Hazardous Materials Managing the Incident</i></u> , pp. 170-189, 196-206, 235-236, 264-267
5-2.2	<u><i>Hazardous Materials for First Responders</i></u> , pp. 18-31, 45-72, 211 <u><i>Hazardous Materials Managing the Incident</i></u> , pp. 13, 38-39
5-2.3	<u><i>Hazardous Materials for First Responders</i></u> , pp. 18-45, 103-106, 182-190, 201-202, 234 <u><i>Hazardous Materials Managing the Incident</i></u> , pp. 52-56, 170-185, 265-268
5-2.4	<u><i>Hazardous Materials for First Responders</i></u> , pp. 48, 94, 132-134, 138 <u><i>Hazardous Materials Managing the Incident</i></u> , none
5-3	Planning the Response
5-3.1	<u><i>Hazardous Materials for First Responders</i></u> , pp. 132-134, 154-155 <u><i>Hazardous Materials Managing the Incident</i></u> , pp. 89-92
5-3.2	<u><i>Hazardous Materials for First Responders</i></u> , pp. 157-159 <u><i>Hazardous Materials Managing the Incident</i></u> , none

Written Exam Study Guidesheets Hazmat Operations Cont'd

NFPA Standard Requirement Number	Reading/Study Reference
5-3.3	<u>Hazardous Materials for First Responders</u> , pp. 21-24, 97, 109-120, <u>Hazardous Materials Managing the Incident</u> , pp. 288, 300-302
5-3.4	<u>Hazardous Materials for First Responders</u> , pp. 201-209 <u>Hazardous Materials Managing the Incident</u> , pp. 456-457
5-4	Implementing Planned Response
5-4.1	<u>Hazardous Materials for First Responders</u> , pp. 128, 137-153, 178, 202-203 <u>Hazardous Materials Managing the Incident</u> , pp. 59, 85-87, 449 and 491
5-4.2	<u>Hazardous Materials for First Responders</u> , pp. 125-131 <u>Hazardous Materials Managing the Incident</u> , pp. 98-103
5-4.3	<u>Hazardous Materials for First Responders</u> , pp. 17-18, 137 <u>Hazardous Materials Managing the Incident</u> , pp. 66, 98-103 <u>Essentials of Fire Fighting 4th Edition</u> , pp. 7 and 95-105
5-4.4	<u>Hazardous Materials for First Responders</u> , pp. 79-81, 153-191 <u>Hazardous Materials Managing the Incident</u> , pp. 369
5-5	Evaluating Progress
5-5.1	<u>Hazardous Materials for First Responders</u> , pp. 182-183 <u>Hazardous Materials Managing the Incident</u> , pp. 353
5-5.2	<u>Hazardous Materials for First Responders</u> , pp. 127 <u>Hazardous Materials Managing the Incident</u> , pp. 353 <u>Essentials of Fire Fighting 4th Edition</u> , pp. 649-650

Fire Fighter II Skills Exam Study Guidesheets

Standard: NFPA 1001, *Standard for Fire Fighter II Professional Qualifications*, 2002 Edition

References: The Reading/Study References listed below represent references from which certification practical skills are taken. *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing

FSTB Performance Test Item #	NFPA 1001 Objective	Pages in <i>Essentials of Fire Fighting</i> , IFSTA, 4th Edition, 1st printing
1	6-1.1.2	pp. 14-21
2	6-2.1	pp. 651
3	6-2.2	pp. 645-651
4	6-3.1	pp. 498-517
5	6-3.2	pp. 29-30, 71-76, 234-243, 522-528, 544-547
6	6-3.3	pp. 529-535
7	6-3.4	pp. 621-629
8	6-4.2	pp. 183-206, 215-229
9	6-5.1	pp. 662-671
10	6-5.2	pp. 186-196
11	6-5.3	pp. 437-438, 446-448
12	6-5.4	pp. 386-389

Standard: NFPA 472, *Standard for Hazardous Materials Operations*, 2002 Edition, Chapter 5

References: The Reading/Study References listed below represent references from which certification exam practical skills are taken. *Essentials of Fire Fighting*, IFSTA, 4th Edition, 1st printing and *Hazmat First Responder*, IFSTA, 2nd Edition.

FSTB Performance Test Item #	NFPA 472 Objective	Pages in <i>Essentials of Fire Fighting</i> , IFSTA, 4th Edition, 1st printing and <i>Hazardous Materials for First Responders</i>
1	5-4.1.5	<u><i>Hazardous Materials for First Responders</i></u> , pp. 209-210
2	5-4.3.9	<u><i>Essentials of Fire Fighting 4th Edition</i></u> , pp. 111-112
3	5-4.4.1	<u><i>Hazardous Materials for First Responders</i></u> , pp. 170-172 <u><i>Essentials of Fire Fighting 4th Edition</i></u> , pp. 498-515
4	5-4.4.3	<u><i>Hazardous Materials for First Responders</i></u> , pp. 157-161

FIREFIGHTER II MANIPULATIVE SKILL OBJECTIVES

GENERAL

- 1- Demonstrate procedures for assuming and transferring command at an emergency scene, utilizing an incident management system.**

REFERENCE: NFPA 1001, 2002 Edition, 6.1.1.1, 6.2.2
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Incident scenario

COMPETENCE:

- Report arrival at emergency scene
- Give a brief size up:
 1. Confirm address upon arrival.
 2. Building and occupancy description.
 3. Nature and extent of situation, identify special conditions or hazards.
 4. Operational mode selected (Offensive, Defensive Transitional or Investigation).
 5. Assignments to other responding units.
 6. Establish and name command.
- Request additional resources if needed.
- Transfer command (utilizing department guidelines).

TIME: 2:00 Minutes

FIRE DEPARTMENT COMMUNICATIONS

2- Complete a basic fire report

REFERENCE: NFPA 1001, 2002 Edition, 6.2.1

CONDITION:

COMPETENCE:

- Complete all blanks/boxes for scenario.
- Correct data and information.
- Check spelling.
- Legibility.
- Other pertinent information is recorded in narrative.

TIME: 15:00 Minutes

FIREGROUND OPERATIONS

3- Demonstrate the correct procedures for extinguishment of an exterior combustible liquids fire with a foam fire stream.

REFERENCE: NFPA 1001, 2002 Edition, 6.3.1
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing full protective clothing, SCBA, 1 1/2" or larger hose, foam concentrate, foam system/equipment, foam nozzle, and **2-member firefighter team** (4- member engine company: Officer and Engineer are fulfilling their roles).

COMPETENCE:

- Assemble foam application system.
- Select correct concentration for required application.
- Approach spill as part of coordinated team.
- Demonstrate proper application techniques.
- Retreat from spill maintaining team integrity.

TIME: 5:00 Minutes

4. Coordinate an interior attack line for team's accomplishment of an assignment in a structure fire.

REFERENCE: NFPA 1001, 2002 Edition, 6.3.2
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a fireground scenario, as a team leader and a 2-firefighter team, (for example: attic fire, grade level, upper level, or basement level fire), wearing full P.P.E. & SCBA, 150 feet of charged 1 1/2" or larger attack line, forcible entry tools.

COMPETENCE:

- Determine location of fire, (attic fire, grade level, upper level, or basement level fire).
- Select correct hose lines.
- Communicate attack method to team members as given by IC.
- Communicate interior fire conditions to team and IC.
- Communicate rescue and ventilation needs with Incident Commander.
- Advance to seat of fire and extinguish.
- Team integrity is maintained (sight, voice or physical contact).

TIME: 5:00 Minutes

5. Demonstrate the correct procedures for control of a fire involving a flammable gas cylinder:

A- Use of an unmanned Master stream (500 gpm or greater).

REFERENCE: NFPA 1001, 2002 Edition, 6.3.3
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing P.P.E., water supply, master stream appliance, 100 feet 2-2 1/2" hose or larger, 2-Firefighter team.

COMPETENCE:

- Escape routes or safe havens are identified.
- Set up appliance.
- Connect hose line from apparatus to appliance.
- Signal for water.
- Exercise safety as hose lines charge.
- Adjust stream of appliance to cool vapor space.

TIME: 5:00 Minutes

B- By approaching cylinder and closing valve.

REFERENCE: NFPA 1001, 2002 Edition, 6.3.3
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given an scenario, cylinder outside of a structure, 7-firefighter team, wearing P.P.E. and SCBA, 2- 1 1/2" or larger hoses, combination nozzles.

COMPETENCE:

- Escape routes or safe havens are identified.
- Contents are identified.
- Cool the vapor space of the cylinder.
- Coordinated advance to cylinder.
- Adjust nozzle patterns during advance for crew protection.
- Try not to extinguish flame.
- Close valve.
- Coordinated retreat from cylinder.
- Adjust nozzle patterns during retreat for cooling vapor space.

TIME: 10:00 Minutes

6- Protect evidence of fire cause and origin so that the evidence is properly protected from further disturbance.

REFERENCE: NFPA 1001, 2002 Edition, 6.3.4
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing P.P.E., flashlight, overhaul tools, hose line or water extinguisher.

COMPETENCE:

- Identify the fire origin area.
- Identify possible causes for fire ignition.
- Identify types of evidence.
- Preserve any evidence found by leaving where found.
- Establish barriers to protect the scene and evidence as found.
- Notify command or fire investigator of findings.

TIME: 5:00 Minutes

RESCUE OPERATIONS

SAFETY NOTE: while conducting rescue operations around vehicles, safety should be exercised with regards to automobile airbags. All new vehicles have airbags on both the driver and passenger sides of the vehicle. Many newer vehicles have airbags in the doors or roofs. While training on these skills, exercise caution to protect firefighters from accidental airbag activation. Always disconnect the batteries while training on vehicles.

7- Demonstrate the following evolutions, which may be required to extricate an entrapped victim of a motor vehicle accident by displacing or removing:

A. Vehicle Windshield.

REFERENCE: NFPA 1001, 2002 Edition, 6.4.1, 6.4.2
IFSTA Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing full P.P.E., including eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), vehicle, cribbing, extrication equipment used by the department, 2-firefighterteam.

COMPETENCE:

- Crib vehicle for safety.
- Disconnect the vehicle battery.
- Use airbag restraint device as applicable.
- Maintain victim safety during windshield removal.
- Remove windshield completely.

TIME: 3:00 Minutes

B. Vehicle Roof.

REFERENCE: NFPA 1001, 2002 Edition, 6.4.1, 6.4.2
IFSTA Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing full P.P.E., including eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), vehicle, cribbing, extrication equipment used by the department, 4-firefighterteam.

COMPETENCE:

- Crib vehicle for safety.
- Disconnect the vehicle battery.
- Use airbag restraint device as applicable.
- Check for side restraint safety system.
- Maintain victim safety during roof removal.
- Cut front vehicle roof posts and fold roof back or remove roof entirely.

TIME: 5:00 Minutes (Using powered equipment)
10:00 Minutes (Using hand tools)

C. Vehicle Door.

REFERENCE: NFPA 1001, 2002 Edition, 6.4.1, 6.4.2
IFSTA Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing full P.P.E., including eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), vehicle, cribbing, extrication equipment used by the department, 2-firefighterteam.

COMPETENCE:

- Crib vehicle for safety.
- Disconnect the vehicle battery.
- Use airbag restraint device as applicable.
- Maintain victim safety during door removal.
- Remove door.

TIME: 5:00 Minutes (Using powered equipment).
15:00 Minutes (Using hand tools).

D. Displace dashboard.

REFERENCE: NFPA 1001, 2002 Edition, 6.4.1, 6.4.2
IFSTA Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a scenario, wearing full P.P.E., including eye protection (per NFPA 1500 Helmet face visor is not considered appropriate eye protection), vehicle, cribbing, extrication equipment used by the department, 2-firefighterteam.

COMPETENCE:

- Crib vehicle for safety.
- Disconnect the vehicle battery.
- Use airbag restraint device as applicable.
- Maintain victim safety during dashboard displacement.
- Displace the dashboard.

TIME: 10:00 Minutes (Using powered equipment).
20:00 Minutes (Using hand tools).

PREVENTION, PREPAREDNESS, & MAINTENANCE

8- Prepare a pre-incident survey.

REFERENCE: NFPA 1001, 2002 Edition 6.5.1
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given an assignment, clipboard, form, graph paper, and pencils.

COMPETENCE:

- Draw a plot plan.
- Draw a floor plan.
- Identify utility controls.
- Identify means of egress.
- Identify occupant information.
- Identify occupancy or special hazards.
- Identify suppression systems and controls.
- Use standard mapping symbols and abbreviations.

TIME: 30:00 Minutes

9- Demonstrate the service and maintenance of portable power plants and lighting equipment.

REFERENCE: NFPA 1001, 2002 Edition, 6.5.2
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a gasoline-powered generator, electrical power cords, portable lighting.

COMPETENCE:

- Check oil and gasoline for "full" level.
- Check air cleaner element for debris.
- Check spark plug and spark plug wire for deterioration and proper connection.
- Check unit for loose bolts or screws.
- Check electrical cords to ensure insulation is not damaged.
- Check portable lights for damage.
- Start unit and test operation of lighting equipment.

TIME: 5:00 Minutes

10- Demonstrate annual service test for fire hose.

REFERENCE: NFPA 1001, 2002 Edition, 6.5.3
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Fire helmet, gloves, 3-firefighter team, 150 ft. up to 300 ft. of 1 1/2" or larger hose, hose testing machine or fire department pumper, gate valve, nozzle, marking pen, and hose records.

SAFETY: **PRESSURIZED HOSE IS POTENTIALLY DANGEROUS. DO NOT STAND OR WALK NEAR PRESSURIZED HOSE DURING TEST.**

COMPETENCY:

- Connect hose sections together (check gaskets before connecting).
- Tighten connections between sections with spanner.
- Connect test length to test valve (gate valve with 1/4 hole drilled into center of gate).
- Attach nozzle to open end of the hose line.
- Fill hose with a pump pressure of 50 psi or to hydrant pressure.
- Open nozzle and discharge all air from hose line.
- Close nozzle.
- Check hose for kinks and twists or leaking connections.
- Mark hose jackets against each coupling.
- Close test gate valve.
- Increase pump pressure to the required test pressure (250-psi).
- Maintain test pressure for 5 minutes.
- Slowly reduce pump pressure.
- Close discharge valves and open nozzle to drain pressure from hoseline.
- Check marks placed on the hose at the couplings.
- Record the test results for each section of hose.

TIME: 10:00 Minutes

11- Test the operability of and flow from a fire hydrant.

REFERENCE: NFPA 1001, 2002 Edition, 6.5.4
IFSTA, Essentials Of Fire Fighting, Fourth Edition

CONDITION: Given a Pitot tube, pencil, paper, tape measure, and a fire hydrant to be flowed.

COMPETENCY:

- Open petcock on Pitot tube and drain air chamber, close petcock.
- Measure orifice size and record.
- Completely open and flush hydrant.
- Edge blade into stream.
- Place opening in pitot blade in the center of the stream and held away from the orifice at a distance approximately half the diameter of the orifice.
- Take velocity pressure reading.
- Record reading.
- Close hydrant and secure caps.

TIME: 3:00 Minutes